Contents to volume 321

Minireview

Electrogenic steps during electron transfer via the cytochrome bc_1 complex of *Rhodobacter sphaeroides* chromatophores (FEBS 12315) *A.Y. Semenov* 1

Research Letters

Expression of mouse rod photoreceptor cGMP phosphodiesterase γ subunit in bacteria (FEBS 12334) *N. Qin, W. Baehr* 6

Over-expression of protein kinase C-α enhances platelet-derived growth factor- and phorbol ester- but not calcium ionophore-induced formation of prostaglandins in NIH 3T3 fibroblasts (FEBS 12327) *G. Finkenzeller, F. Totzke, E. Fitzke, D. Marmé, P. Dieter* 11

The two Staphylococcal bi-component toxins, leukocidin and gamma-hemolysin, share one component in common (FEBS 12314) *Y. Kamio, A. Rahman, H. Nariya, T. Ozawa, K. Izaki* 15

Mercury inhibition at the donor side of photosystem II is reversed by chloride (FEBS 12313) *M. Bernier, R. Popovic, R. Carpentier* 19

The choline transporter is the major site of control of choline oxidation in isolated rat liver mitochondria (FEBS 12342) *C.P. Kaplan, R.K. Porter, M.D. Brand* 24

Phosphorylation of ribosomal proteins by the vaccinia virus B1R protein kinase (FEBS 12335) *A.H. Banham, D.P. Leader, G.L. Smith* 27

Affinity purification of molecular chaperones of the yeast *Hansenula polymorpha* using immobilized denatured alcohol oxidase (FEBS 12321) *M.E. Evers, B. Huhse, V.I. Titorenko, W.H. Kunau, F.-U. Hartl, W. Harder, M. Veenhuis* 32

Bovine inositol monophosphatase: The identification of a histidine residue reactive to diethylpyrocarbonate (FEBS 12331) *K.J. Rees-Milton, P.J. Greasley, C.I. Ragan, M.G. Gore* 37

Mouse monoclonal antibodies that specifically recognize an amino-terminal epitope of $p56^{lck}$ protein tyrosine kinase (FEBS 12329) *M. Stieger, N.A. Flint, H. Jacot-Guillermod, P. Burn* 41

AT(D)PMg-induced dissociation of the $\alpha_3\beta_3$ complex of the F_1-ATPase from a thermophilic *Bacillus* PS3 into $\alpha_1\beta_1$ heterodimers is prevented by mutation β (Y341C) (FEBS 12324) *C. Kaibara, M. Odaka, T. Hisabori, M. Yoshida* 46

AlF-B, a novel CCAAT-binding transcription activator that interacts with the aldolase B promoter (FEBS 12319) *K.-i. Tsutsumi, K. Ito, T. Yabuki, K. Ishikawa* 51

A thioredoxin-independent fully active NADP-malate dehydrogenase obtained by site-directed mutagenesis (FEBS 12323) *E. Issakidis, P. Decottignies, M. Miginiac-Maslow* 55

Reaction of nitric oxide with hydrogen peroxide to produce potentially cytotoxic singlet oxygen as a model for nitric oxide-mediated killing (FEBS 12325) *A.A. Noronha-Dutra, M.M. Epperlein, N. Woolf* 59

Molecular cloning of a cDNA encoding calmodulin from *Neurospora crassa* (FEBS 12328) *N. Capelli, D. van Tuinen, R. Ortega Perez, J.-F. Arrighi, G. Turian* 63

Identification of an actin binding region in aldolase (FEBS 12332) *G. O'Reilly, F. Clarke* 69

Characterization of cAMP dependent CFTR-chloride channels in human tracheal gland cells (FEBS 12333) *F. Becq, M.D. Merten, M.A. Voelckel, M. Gola, C. Figarella* 73

Termination of right handed helices in proteins by residues in left handed helical conformations (FEBS 12322) *H.A. Nagarajaram, R. Sowdhamini, C. Ramakrishnan, P. Balaram* 79

Stereo-specific inhibition of sea urchin envelysin (hatching enzyme) by a synthetic autoinhibitor peptide with a cysteine-switch consensus sequence (FEBS 12341) *K. Nomura, N. Suzuki* 84

Neopterin modulates toxicity mediated by reactive oxygen and chloride species (FEBS 12320) *G. Weiss, D. Fuchs, A. Hausen, G. Reibnegger, E.R. Werner, G. Werner-Felmayer, E. Semenitz, M.P. Dierich, H. Wachter* 89

Cloning, expression and characterization of human kininogen domain 3 (FEBS 12347) *E.A. Auerswald, D. Rössler, R. Mentele, I. Assfalg-Machleidt* 93

Analysis of poly(A)$^+$RNA patterns in human tissues (FEBS 12351) *A.A. Chenchik, L.B. Diachenko, R.S. Beabealashvilli* 98

Unique reaction of a barley peroxidase with hydrogen peroxide (FEBS 12364) *C.B. Rasmussen, M. Bakovic, K.G. Welinder, H.B. Dunford* 102

Secondary structure of the *oct-3* POU homeodomain as determined by ^1H–^{15}N NMR spectroscopy (FEBS 12316) *E.H. Morita, M. Shirakawa, F. Hayashi, M. Imagawa, Y. Kyogoku* 107

Cloning and sequencing of rat liver cDNAs encoding the regulatory protein of glucokinase (FEBS 12330) *M. Detheux, J. Vandekerckhove, E. Van Schaftingen* 111

Properties of engineered antifreeze peptides (FEBS 12336) *G.J. Warren, C.M. Hague, L.V. Corotto, G.M. Mueller* 116

Control of muscle pyruvate oxidation during late pregnancy (FEBS 12337) *M.C. Sugden, M.J. Holness* 121

Effect of ouabain, digoxin and digitoxigenin on potassium uptake and histamine release from rat peritoneal mast cells (FEBS 12338) *T. Knudsen, I. Ferjan, T. Johansen* 127

Inhibition of neutral cholesteryl ester hydrolase by a naturally occurring cytosolic protein in macrophages (FEBS 12374) *J.H. Shand, P.J. Crilly, D.W. West* 132

Amino acid sequence similarities between low molecular weight endo-1,4-β-xylanases and family H cellulases revealed by clustering analysis (FEBS 12340) *A. Törrönen, C.P. Kubicek, B. Henrissat* 135

Different thyroid hormone-deiodinating enzymes in tilapia (*Oreochromis niloticus*) liver and kidney (FEBS 12365) *K. Mol, E. Kaptein, V.M. Darras, W.J. de Greef, E.R. Kühn, T.J. Visser* 140

Microcin E492 forms ion channels in phospholipid bilayer membranes (FEBS 12343) *R. Lagos, M. Wilkens, C. Vergara, X. Cecchi, O. Monasterio* 145

Divergent effects of fluoroaluminates on the peptide chain elongation factors EF-Tu and EF-G as members of the GTPase superfamily (FEBS 12366) *J.R. Mesters, J.M. de Graaf, B. Kraal* 149

Identification of a protein from *Saccharomyces cerevisiae* with E2F-like DNA-binding and transactivating properties (FEBS 12368) *B. Mai, M. Lipp* 153

Insight into topological and functional relationships of cytochrome *c* oxidase subunit I of *Saccharomyces cerevisiae* by means of intragenic complementation (FEBS 12369) *B. Meunier, F. Coster, P. Lemarre, A.-M. Colson* 159

Ligand binding properties of human cellular retinoic acid binding protein II expressed in *E. coli* as a glutathione-*S*-transferase fusion protein (FEBS 12379) *C.P.F. Redfern, K.E. Wilson* 163

Stabilization of mRNA in an *Escherichia coli* cell-free translation system (FEBS 12376) *I. Hirao, S. Yoshizawa, K.-i. Miura* 169

Cloning of a novel putative G-protein-coupled receptor (NLR) which is expressed in neuronal and lymphatic tissue (FEBS 12377) *M. Kouba, M. Vanetti, X. Wang, M. Schäfer, V. Höllt* 173

Published by Elsevier Science Publishers B.V.

Regulation of spermidine/spermine N^1-acetyltransferase by intracellular polyamine pools: Evidence for a functional role in polyamine homeostasis (FEBS 12339) *N.W. Shappell, M.F. Fogel-Petrovic, C.W. Porter* 179
Characterization and regulation of the angiotensin II type-1 receptor (binding and mRNA) in human adrenal fasciculata-reticularis cells (FEBS 12345) *D. Naville, M.C. Lebrethon, A.Y. Kermabon, E. Rouer, R. Benarous, J.M. Saez* 184
Changes in the level of chloroplast transcripts in pumpkin cotyledons during heat shock (FEBS 12346) *V.V. Kusnetsov, T.P. Mikulovich, I.M. Kukina, G.N. Cherepneva, R.G. Herrmann, O.N. Kulaeva* 189
Diabetes mellitus is one of the heterogeneous phenotypic features of a mitochondrial DNA point mutation within the $tRNA^{Leu(UUR)}$ gene (FEBS 12363) *K.-D. Gerbitz, A. Paprotta, M. Jaksch, S. Zierz, J. Drechsel* 194
Insertion of MOM22 into the mitochondrial outer membrane strictly depends on surface receptors (FEBS 12348) *P. Keil, N. Pfanner* 197
Human neuroblastoma cells produce the NF-κB-like HIV-1 transcription activator during differentiation (FEBS 12349) *S.-i. Kurata, T. Wakabayashi, Y. Ito, N. Miwa, R. Ueno, T. Marunouchi, N. Kurata* 201
Prostaglandin H synthase: Inactivation of the enzyme in the course of catalysis is accompanied by fast and dramatic changes in protein structure (FEBS 12352) *A.T. Mevkh, K.A. Miroshnikov, N.D. Igumnova, S.D. Varfolomeev* 205
Prostaglandin A_2 and Δ^{12}-prostaglandin J_2 induce apoptosis in L1210 cells (FEBS 12353) *I.-K. Kim, J.-H. Lee, H.-W. Sohn, H.-S. Kim, S.-H. Kim* 209
Diethyldithiocarbamate inhibits induction of macrophage NO synthase (FEBS 12361) *A. Mülsch, B. Schray-Utz, P.I. Mordvintcev, S. Hauschildt, R. Busse* 215
Study of phosphorylation of translation elongation factor 2 (EF-2) from wheat germ (FEBS 12367) *S.K. Smailov, A.V. Lee, B.K. Iskakov* 219
Down-regulation by retinoic acid of the catalytic subunit of protein phosphatase type 2A during granulocytic differentiation of HL-60 cells (FEBS 12355) *I. Tawara, M. Nishikawa, K. Morita, K. Kobayashi, H. Toyoda, S.B. Omay, H. Shima, M. Nagao, T. Kuno, C. Tanaka, S. Shirakawa* 224
Time-resolved tryptophan fluorescence in photosynthetic reaction centers from *Rhodobacter sphaeroides* (FEBS 12356) *V.I. Godik, R.E. Blankenship, T.P. Causgrove, N. Woodbury* 229
The ZNF35 human zinc finger gene encodes a sequence-specific DNA-binding protein (FEBS 12357) *G. Pengue, P. Cannada-Bartoli, L. Lania* 233
Cell cycle regulation of deoxycytidine kinase: Evidence for post-transcriptional control (FEBS 12358) *M. Hengstschläger, C. Denk, E. Wawra* 237
Domain of *E. coli* translational initiation factor IF2 homologous to lambda cI repressor and displaying DNA binding activity (FEBS 12359) *G. Vachon, J. Raingeaud, B. Dérijard, R. Julien, Y. Cenatiempo* 241
Participation of cathepsin L on bone resorption (FEBS 12362) *H. Kakegawa, T. Nikawa, K. Tagami, H. Kamioka, K. Sumitani, T. Kawata, M. Drobnič-Kosorok, B. Lenarčič, V. Turk, N. Katunuma* 247
Structure and localization of mRNA encoding a pigment dispersing hormone (PDH) in the eyestalk of the crayfish *Orconectes limosus* (FEBS 12370) *D.P.V. de Kleijn, B. Linck, J.M. Klein, W.M. Weidemann, R. Keller, F. van Herp* 251
The catalytic activities of monomeric enzymes show complex pressure dependence (FEBS 12380) *M. Groß, G. Auerbach, R. Jaenicke* 256
Nuclear protein transport is functionally conserved between yeast and higher eukaryotes (FEBS 12344) *P. Wagner, M.N. Hall* 261
The structure of neutrophil defensin genes (FEBS 12405) *R. Linzmeier, D. Michaelson, L. Liu, T. Ganz* 267
Inactivation of synovial fluid α_1-antitrypsin by exercise of the inflamed rheumatoid joint (FEBS 12387) *Z. Zhang, A. Farrell, D. Blake, K. Chidwick, P. Winyard* 274
A human somatostatin receptor (SSTR3), located on chromosome 22, displays preferential affinity for somatostatin-14 like peptides (FEBS 12360) *J.D. Corness, L.L. Demchyshyn, P. Seeman, H.H.M. Van Tol, C.B. Srikant, G. Kent, Y.C. Patel, H.B. Niznik* 279

Author Index to Volume 321 285
Contents to Volume 321 289